Sheet 1 of 4

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B
SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

SHEEL I UI 4	
Application Number	10/562,843
iling Date	May 15, 2006
irst Named Inventor	Luke Alphey
Art Unit	1636
xaminer Name	James S. Ketter
Attorney Docket Number	138-05

Confirmation No. 5995 GS 12/23/2010

ILS PATENT DOCUMENTS

Examiner Initial*	Cite No.	Patent Number	Patent Number Issue Date (MM-DD-YYYY) Applic		Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear			
	1	5,254,801	10-19-1993	Dotson et al.				
	2	6,962,810	11-08-2005	Fraser et al.				
	3	6,200,800	03-13-2001	Choulika et al.				
	4	5,851,796	12-22-1998	Schatz				
	5	6,338,040	01-08-2002	Buman et al.				

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	6	2003/0150007	08-07-2003	Savakis et al.	
	7	2003/0213005	11-13-2003	Alphey et al.	
	8	2005/0221430	10-06-1995	Prentice	
	9	2006/0275276	12-07-2006	Alphey	
	10	2006/0242717	10-26-2006	Alphey	
	11	2007/0056051	03-08-2007	Alphey	
	12	2008/0115233	05-15-2008	Alphey et al.	
	13	2009/0183269	07-16-2009	Alphey	

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				CITIALEITI	DOCUMENTO		
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	14	0955364	EP	11-10-1999	Savakis et al.		
	15	2000/073510	WO	12-07-2000	Bessereau et al.		
	16	2355459	GB	04-25-2001	Alphey et al.		
	17	2001/39599	WO	06-07-2001	Alphey et al.		
	16	2001/59088	WO	08-16-2001	Chernajovsky et al.		
	19	2004/098278	WO	11-18-2004	Alphey		
	20	2005/003364	wo	01-13-2005	Alphey		
	21	2005/012534	WO	02-10-2005	Alphey		
	22	2007/091099	WO	08-16-2007	Alphey		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initial*	Cite No.	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the aricle (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 5
	23	Prosecution history for related application USSN 10/148,041, 64 pp.	
	24	Prosecution history for related application USSN 10/556,804, 27 pp.	

Signature	Date Considered	
*EVAMINED: I	itial if reference considered, whether or not sitution is in conformance with MDED CO.	O Drow line through

citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional).

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Sheet 2 of A

Confirmation No.

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B
SECOND SUPPLEMENTAL
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STATEMENT BY APPLICANT

44

10/562,843
May 15, 2006
Luke Alphey
1636
James S. Ketter
138-05

5995

GS 12/23/2010

REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item T 5 Cite Examiner (book, magazine, iournal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Initial* No. publisher, city and/or country where published. Prosecution history for related application USSN 10/566.448, 142 pp. 26 Prosecution history for related application USSN 11/352.177, 129 pp. Prosecution history for related application USSN 11/733,737, 175 pp. Prosecution history for related application USSN 12/278.849, 20 pp. Examination Report for European patent application serial number 04743590.4. dated November 14, 2008, 4pp. Search Report Corresponding to Great Britain Patent Application No. GB 0317656.7. Date of Search November 25, 2003. Search Report Corresponding to Great Britain Patent Application No. GB 0621234.4. Date of Search February 21, 2007. 30 Search Report Corresponding to International Application No. PCT/GB2004/003263. Mailed May 11, 2004. 30 Search Report corresponding to International Application No. PCT/GB2007/000488. parent of the present application. Written Opinion corresponding to International Application No. PCT/GB2007/000488. 30 parent of the present application. International Preliminary Report on Patentability, corresponding to International 36 Application No. PCT/GB2007/000488, parent of the present application. ALPHEY et al. (2002) "Dominant Lethality and Insect Population Control." Mol. 36 Biochem. Parasitol. 121(2):173-178. ALPHEY et al. (2007) "Managing Insecticide Resistance by Mass Release of 31 Engineered Insects" J. Econ. Entomol. 100(5):1642-1649. ARRIBAS et al. (1986) "The ubiquitin genes in D. melanogaster, transcription and 36 polymorphism" Biochimica et Biophysica Acta 868:119-127. BIESCHKE et al. (1998) "Doxycycline-Induced Transgene Expression During Drosophila Development and Aging," Mol. Gen Genet. 258(6):571-579. BLITVICH et al. (2002) "Developmental- and tissue-specific expression of an 40 inhibitor of apoptosis protein 1 homologue from Aedes triseriatus mosquitoes" Insect Molecular Biology 11(5):431-442. CARRIERE and TABASHNIK (2001) "Reversing Insect Adaptation to Transgenic 41 Insecticidal Plants," Proc. R. Soc. Lond. B. 268:1475-1480. 42 CHEN et al. (1996) "Apoptotic Activity of REAPER Is Distict from Signaling by the Tumor Necrosis Factor Receptor 1 Death Domain" The Journal of Biological Chemistry 271(42):25735-25737. 43 CHEN et al. (2000) "The Use of Modified Tetracycline Regulatory Expression System with Reduced Basal Level to Develop and In Vivo Biopesticide Expression System," Food Sci Agricult. Chem. 2(4):220-225. DAVIS et al. (2001) "Engineered Underdominance Allows Efficient and Economical

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Signature		Considered	

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Sheet 3 of 4

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B 10/562.843 Application Number May 15, 2006 Filing Date SECOND SUPPLEMENTAL First Named Inventor Luke Alphey INFORMATION DISCLOSURE 1636 Art Unit STATEMENT BY APPLICANT Examiner Name James S. Ketter Attorney Docket Number 138-05

Confirmation No. 5995 GS 12/23/2010

Examiner Initial*	Cite No.	REFERENCE Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 5
	45	ERNST, U. (1991) "Regulation of Sexual Differentiation in <i>Drosophila</i> : Alternative Splicing of the <i>Transformer</i> Primary Transcript Requires Masking of the Non-Specific Acceptor Site in Females," Inaugural Dissertation, Aus Frankfurt / Main, BRD (ABSTRACT ONLY).	
	46	ERNST, U. (1991) "Regulation of Sexual Differentiation in <i>Drosophila</i> : Alternative splicing of the <i>Transformer</i> Primary Transcript Requires Masking of the Non-Specific Acceptor Site in Females," Inaugural Dissertation, Aus Frankfurt / Main, BRD.	
	47	FU et al. (2007) "Female-specific insect lethality engineered using alternative splicing", Nature Biotechnology 25(3):353-357.	
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	60	MUNOZ et al. (2004) "The AeAct-4 gene is expressed in the developing flight muscles of female <i>Aedes aegypti</i> ", Insect Molecular Biology 13(5):563-568.	

Examiner	Date
Signature	Considered
*EVAMINED:	nitial if reference considered whether or not sitution is in conformance with MDED 600. Draw line through

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Sheet 4 of 4

Substitute for form 1449/PTO, based on PTO/SB/08A and 08B	Application Number	10/562,843		
	Filing Date	May 15, 2006		
SECOND SUPPLEMENTAL	First Named Inventor	Luke Alphey		
INFORMATION DISCLOSURE	Art Unit	1636		
STATEMENT BY APPLICANT	Examiner Name	James S. Ketter		
	Attorney Docket Number	138-05		
	Confirmation No.	5995	GS	12/23/2010

REFERENCE T 5 Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item Cite Examiner (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Initial* No. publisher, city and/or country where published. 61 PANE et al. (2002) "The transformer gene in Ceratitis capitata provides a genetic basis for selecting and remembering the sexual fate" Development 129:3715-3725. ROBINSON et al. (2002) "Mutations and Their Use in Insect Control." Mutation 62 Research 511(2):113-132. SACCONE et al. (2000) "Sex Determination in Medfly: A Molecular Approach," In: Area-Wide Control of Fruit Flies and Other Pest Insects, Tan. K.H. ed., Penerbit USM, Penag, pp. 491-496. SACCONE et al. (2002) "Sex determination in flies, fruitflies and butterflies" Genetica 116:15-23. SCALL et al. (2005) "Identification of sex-specific transcripts of the Anopheles gambiae doublesex gene". Journal of Experimental Biology 208(19):3701-3709. SHELTON et al. (2000) "Field Tests on Managing Resistance to Bt-Engineered Plants", Nature Biotechnology 18(3):339-342. 67 SHOCKETT et al. (1995) "A Modified Tetracycline-Regulated System Provides Autoregulatory, Inducible Gene Expression in Cultured Cells and Transgenic Mice," Proc. Nat. Acad. Sci. USA 92:6522-6526. STEBBINS et al. (2001) "Tetracycline-Inducible Systems for Drosophila." Proc. Nat. 68 Acad. Sci. USA, 98:10775-10780. 69 STEBBINS et al. (2001) "Adaptable Doxycycline-Regulated Gene Expression Systems for Drosophila," Gene 270:103-111. 70 THOMAS et al. (2000) "Insect Population Control Using Dominant, Repressible, Lethal Genetic System," Science 287:2474-2476. 71 WOOL and MANHEIM (1980) "Genetically-Induced Susceptibility to Malathion in Tribolium Castaneum Despite Selection for Resistance," Ent. Exp. & Appl. 28:183-WU et al. (2000) "Expression of Highly Controllable Genes in Insect Cells Using a Modified Tetracycline-Regulated Gene Expression System." J. Biotechnol. 80(1):75-

Examiner Signature		Date Considered		
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